Nathaniel A. Muhs

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SKILLS
- **Programming & Software**: Java, Python, VHDL, LTSpice, Microsoft Office 360
- **Engineering & Design:** SolidWorks 2025, 3D Printing & Prototyping
- **Technical Abilities**: Troubleshooting, Modeling & Simulation, Design Evaluation

EDUCATION
West Virginia University | Morgantown, WV   Expected Graduation: May 2027
Bachelor of Science in Electrical Engineering (ABET-accredited)
GPA: 3.5

EXPERIENCE
Artificial Intelligence Club WVU | Morgantown, WV   April 2024– Present
Vice President
- Expanded the club's communication discord to over **350 members**. Becoming the second largest student communication group on campus
- **Lead** initiatives to educate students about AI, develop tangible projects, and connect members with industry professionals
- Assist the President in **planning and executing** biweekly club meetings

WVU Wehrle Global Supply Chain Lab| Morgantown, WV   September 2024– Present
3D Printing Technician
- Maintained and troubleshooted **3D printers** to ensure top-quality and consistent prints
- Designing and iterating **CAD models** in **SolidWorks** for 3D-printed components
- Evaluated **3D printer performance** and adjusted designs for optimal output

Projects
2024 - 2025 NASA Lunar Autonomy Challenge   - Present
- Worked with a team from AIWVU to code a virtually simulated **autonomous rover** that currently holds second place over top schools like MIT and Harvard
- Oversaw and implemented the rover's **segmentation model** to accurately identify different-sized rocks and their location

RELEVANT COURSES
- Introduction to Computer Science (java)   - Fall 2023
- Introduction to Data Structures (java)   - Spring 2024
- Introduction to Electrical Engineering   - Fall 2025
- Introduction to Computer Engineering   - Fall 2025

EXTRACURRICULAR INVOLVEMENT
- Member of Institute of Electrical and Electronics Engineers, WVU chapter (IEEE)
- Member of WVU Cyber Security Club (CyberWVU)
- Member of WVU Amature Radio Club (ARC)